What Is Claimed Is:

1. A driving circuit for an optical modulator, comprising:

a first transistor coupled to a first input terminal and a current source;

a second transistor coupled to the first transistor, the current source, and a second input terminal, wherein the current source is coupled to a connection point of the first transistor and the second transistor;

a third transistor coupled to the first transistor in serial and coupled to a first current source, wherein the first current source is coupled to a connection point of the first transistor and the third transistor;

a fourth transistor coupled to the second transistor in serial and coupled to a second current source, wherein the second current source is coupled to a connection point of the second transistor and the fourth transistor;

a first feedback circuit coupled to the third transistor, wherein the first feedback circuit comprises a first low frequency feedback circuit and a first high frequency feedback circuit coupled to the first low frequency feedback circuit; and

a second feedback circuit coupled to the fourth transistor, wherein the second feedback circuit comprises a second low frequency feedback circuit and a second high frequency feedback circuit coupled to the second low frequency feedback circuit.

2. The driving circuit for an optical modulator as claimed in claim 1, wherein the first low frequency feedback circuit comprises a first resistor, and a second resistor coupled to the first resistor and a reference voltage.

3. The driving circuit for an optical modulator as claimed in claim 1, wherein the first high frequency feedback circuit comprises a first capacitor, and a collector-base capacitor coupled between the collector and base of the third transistor.

4. The driving circuit for an optical modulator as claimed in claim 1, wherein the second low frequency feedback circuit comprises a third resistor, and a fourth resistor coupled to the third resistor and a reference voltage.

5. The driving circuit for an optical modulator as claimed in claim 1, wherein the second high frequency feedback circuit comprises a second capacitor, and a collector-base capacitor coupled between the collector and base of the fourth transistor.

6. The driving circuit for an optical modulator as claimed in claim 1, wherein the third transistor is coupled to a fifth transistor in serial, the fourth transistor is coupled to a sixth transistor in serial, the fifth transistor is coupled to a third feedback circuit comprising a third low frequency feedback circuit and a third high frequency feedback circuit coupled to the third low frequency feedback circuit, and the sixth transistor is coupled to a fourth feedback circuit comprising a fourth low frequency feedback circuit and a fourth

high frequency feedback circuit coupled to the fourth low frequency feedback circuit

7. The driving circuit for an optical modulator as claimed in claim 6, wherein the third low frequency feedback circuit comprises a fifth resistor, and a sixth resistor coupled to the fifth resistor and a reference voltage.

8. The driving circuit for an optical modulator as claimed in claim 6, wherein the third high frequency feedback circuit comprises a third capacitor, and a collector-base capacitor coupled between the collector and base of the fifth transistor.

9. The driving circuit for an optical modulator as claimed in claim 6, wherein the fourth low frequency feedback circuit comprises a seventh resistor, and an eighth resistor coupled to the seventh resistor and a reference voltage.

10. The driving circuit for an optical modulator as claimed in claim 6, wherein the fourth high frequency feedback circuit comprises a fourth capacitor, and a collector-base capacitor coupled between the collector and base of the sixth transistor.

11. The driving circuit for an optical modulator as claimed in claim 6, wherein the third low frequency feedback circuit is coupled to the first low frequency feedback circuit, and the fourth low frequency feedback circuit is coupled to the second low frequency feedback circuit.

12. A driving circuit for an optical modulator, comprising:

a first transistor coupled to a first input terminal, a first reference current source and a first resistor coupled to a reference voltage;

a second transistor coupled to the first transistor, the first reference current source, a second input terminal and a second resistor, wherein the first reference current source is coupled to a connection point of the first transistor and the second transistor, and the second resistor is coupled to the reference voltage;

a third transistor coupled to the first input terminal and a second reference current source;

a fourth transistor coupled to the second input terminal, the third transistor and the second reference current source, wherein the second reference current source is coupled to a connection point of the third transistor and the fourth transistor;

a fifth transistor coupled to the third transistor in serial and coupled to a first current source and a first high frequency feedback circuit, wherein the first current source is coupled to a connection point of the third transistor and the fifth transistor; and

a sixth transistor coupled to the fourth transistor in serial and coupled to a second current source and a second high frequency feedback circuit, wherein the second current source is coupled to a connection

point of the fourth transistor and the sixth transistor.

13. The driving circuit for an optical modulator as claimed in claim 12, wherein the first high frequency feedback circuit comprises a first capacitor, and a collector-base capacitor coupled between the collector and base of the fifth transistor.

14. The driving circuit for an optical modulator as claimed in claim 12, wherein the second high frequency feedback circuit comprises a second capacitor, and a collector-base capacitor coupled between the collector and base of the sixth transistor.